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**Kamen et al.**(10) **Pub. No.: US 2022/0040466 A1**(43) **Pub. Date: Feb. 10, 2022**(54) **MICRONEEDLE SYSTEMS AND APPARATUS****Publication Classification**(71) Applicant: **DEKA Products Limited Partnership**,  
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24, 2007.(57) **ABSTRACT**

A medical system. The medical system includes at least one compartment for a fluid, a fluid path and at least one microneedle fluidly connected to the at least one compartment by the fluid path. A medical infusion system is also disclosed. The system includes a wearable housing, at least one non-pressurized compartment for a fluid contained within the housing, at least one fluid path fluidly connected to the at least one compartment and at least one microneedle fluidly connected to the at least one compartment by the fluid path wherein the fluid path extends through the microneedle.

